

Page 19, line 12, after "particular" please insert --,--;
Page 19, line 15, please delete "Fig. 25" and substitute therefor --Figure 25--;
Page 19, line 17, please delete "Fig. 14" and substitute therefor --Figure 14--;
Page 19, line 17, after "here" please insert --,--;
Page 19, line 18, after "however" please insert --,--;
Page 19, line 20, after "principle" please insert --,--;
Page 19, line 24, after "case" please insert --,--;
Page 19, line 26, please delete "thus" and substitute therefor --,--.

IN THE CLAIMS:

Please delete "Patent Claims" and substitute therefor --

WHAT IS CLAIMED IS--

1. 5. 6.

Please amend the following claims.

Sub. D1

1. (Amended) [Magnetically] A magnetically journaled rotational
2 arrangement comprising a substantially [disc shaped] disc-shaped or [ring shaped] ring-shaped
3 magnetically journaled rotor [(1)] and a stator [(2)] which comprises means for the production
4 of a field which produces a rotation of the rotor [(1)], [characterised in that] wherein the rotor
5 has means [(M, 11, 12)] which [produce] generate a unipolar bias [magnetisation] magnetic
6 flux which is spatially modulated when viewed in the circumferential direction.

1. 2. (Amended) [Rotational] A rotational arrangement in accordance with
claim 1 [characterised in that] wherein the means for producing the spatially modulated bias
[magnetisation] magnetic flux comprise permanent magnets [(M)] which are distributedly
arranged on the substantially [disc shaped] disc-shaped or [ring shaped] ring-shaped rotor [(1)].

1. 2. (Amended) [Rotational] A rotational arrangement in accordance with
claim 2 [characterised in that] wherein the permanent magnets [(M)] are arranged at both sides
of the [disc shaped] disc-shaped or [ring shaped] ring-shaped rotor.

1 4. (Twice Amended) [Rotational] A rotational arrangement in accordance
2 with claim 2 [characterised in that] wherein the permanent magnets [(M)] have an axial or a
3 radial [magnetisation] magnetization.

1 5. (Twice Amended) [Rotational] A rotational arrangement in accordance
2 with claim 2 [characterised in that] wherein permanent magnets [(M)] are provided both on the
3 rotor [(1)] and on the stator [(2)]; and [in that] wherein both the permanent magnets [(M)]
4 provided on the rotor [(1)] and the permanent magnets [(M)] arranged on the stator [(2)] are
5 [magnetised] magnetized in the axial direction.

1 6. (Twice Amended) [Rotational] A rotational arrangement in accordance
2 with claim 2 [characterised in that] wherein permanent magnets [(M)] are provided both on the
3 rotor [(1)] and on the stator [(2)]; and [in that] wherein both the permanent magnets [(M)]
4 provided on the rotor [(1)] and the permanent magnets [(M)] arranged on the stator [(2)] are
5 [magnetised] magnetized in the radial direction.

1 7. (Twice Amended) [Rotational] A rotational arrangement in accordance
2 with claim 2 [characterised in that] wherein permanent magnets [(M)] are provided both on the
3 rotor [(1)] and on the stator [(2)]; and [in that] wherein the permanent magnets [(M)] provided
4 on the rotor [(1)] are [magnetised] magnetized in the axial direction while the permanent
5 magnets [(M)] arranged on the stator [(2)] are [magnetised] magnetized in the radial direction
6 or vice versa.

1 8. (Twice Amended) [Rotational] A rotational arrangement in accordance
2 with claim 1 [characterised in that] wherein, in addition to the means for the production of the
3 field which produces the rotation of the rotor [(1)], the stator [(2)] comprises permanent
4 magnets [(M)] which are arranged in such a manner that they cooperate with the means
5 provided on the rotor [(1)] for the production of the spatially modulated bias [magnetisation]
6 magnetic flux in such a manner that they produce or reinforce the magnetic journaling of the
7 rotor [(1)].

1 9. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 8 [characterised in that] wherein the means provided at the rotor [(1)] for the production
3 of the spatially modulated unipolar bias [magnetisation] magnetic flux comprise a plurality of
4 projections [(12)] which point in the radial direction and recesses [(11)] which are arranged
5 between these projections.

1 10. (Twice Amended) [Rotational] A rotational arrangement in accordance with
2 claim 1 [characterised in that] wherein control windings [(20)] are provided in the stator
3 [(2)] in order to control the spatially modulated unipolar bias [magnetisation] magnetic flux.

1 11. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 8 [characterised in that] wherein the stator [(2, 21)] effecting the magnetic journalling of
3 the rotor is designed substantially in ring shape and surrounds the ring or [disc shaped] disc-
4 shaped rotor, with the stator plane and the rotor plane coinciding and forming the bearing
5 plane; and [in that] wherein means for the production of the field which produce the rotation
6 of the rotor [(1)] are arranged in the segments between the permanent magnets [(M)] in the
7 stator [(2, 21)] so that the motor plane in which the rotation of the rotor [(1)] is produced and
8 the bearing plane in which the journalling of the rotor is produced coincide.

1 12. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 11 [characterised in that] wherein the means for the production of the field which effects
3 the rotation of the rotor and which is arranged in the segments between the permanent magnets
4 [(M)] has U-shaped coil cores [(24)] with windings [(241)], with the U-shaped coil cores
5 [(24)] being arranged in the bearing plane.

1 13. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 11 [characterised in that] wherein the means for the production of the field which effects
3 the rotation of the rotor and which is arranged in the segments between the permanent magnets
4 [(M)] has U-shaped coil cores [(24)] with windings [(241)], with the U-shaped coil cores [(24)]
5 being arranged perpendicular to the bearing plane.

1 14. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 8 [characterised in that] wherein the stator [(2, 21)] producing the magnetic journalling
3 of the rotor is designed to be substantially [ring shaped] ring-shaped and surrounds the ring or
4 [disc shaped] disc-shaped rotor [(1)], with the stator plane and the rotor plane coinciding and
5 forming the bearing plane; and [in that] wherein moreover the stator comprises at least one
6 further ring or [disc shaped] disc-shaped motor stator [(22, 23)] which is arranged in a motor
7 plane parallel to the bearing plane.

1 15. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 14 [characterised in that] wherein the permanent magnets [(M)] are arranged on both
3 sides of the rotor [(1)]; and [in that] wherein the stator, in addition to the ring-shaped stator
4 [(21)] which produces the magnetic journalling of the rotor, comprises two further ring-shaped
5 motor stators [(22, 23)], of which one motor stator [(22)] is arranged in a first motor plane
6 parallel to the bearing plane on the one side of the bearing stator and the other [(23)] in a
7 second motor plane parallel to the bearing plane.

1 16. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 14 [characterised in that] wherein the stator, in addition to the ring-shaped stator [(21)]
3 which produces the magnetic journalling of the rotor, comprises a further [disc shaped] disc-
4 shaped stator in a motor plane parallel to the bearing plane, with this motor stator [(25)] being
5 designed as a disc [rotor] stator and having a [preferably iron-less] disc rotor winding [(250)]
6 for the production of the field for the rotation of the rotor [(1)].

1 17. (Amended) [Rotational] A rotational arrangement in accordance with
2 claim 8 [characterised in that] wherein the means for the production of the field which effects
3 the rotation of the rotor [(1)] comprises a rotatable drive [(26)] which can be magnetically
4 coupled to the rotor [(1)] and the axis of rotation of which coincides with the axis of rotation of
5 the rotor [(1)].